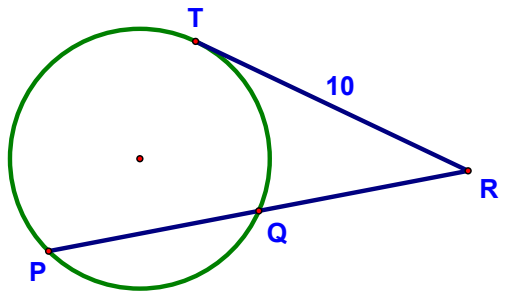
3.

a. If TR = 10 & QR = 5, find PR

b. If TR = 10 & QR = 4, find PQ

c. If TR = 10 & PR = 50, find PQ

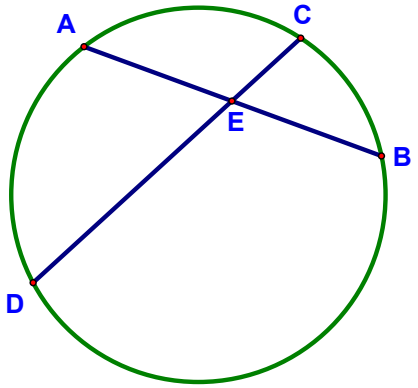


4.

a. If AE = 6.4, AB = 8.9, and CE = 1.6, find ED.

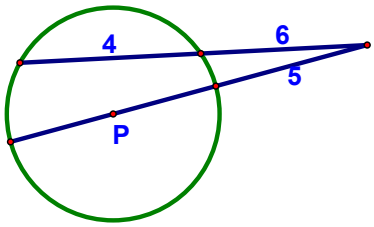
b. If AE = 8, AB = 14, and ED = 16, find DC.

c. If CE = 2, ED = 18, and $\overline{AE} \cong \overline{EB}$, find AB.



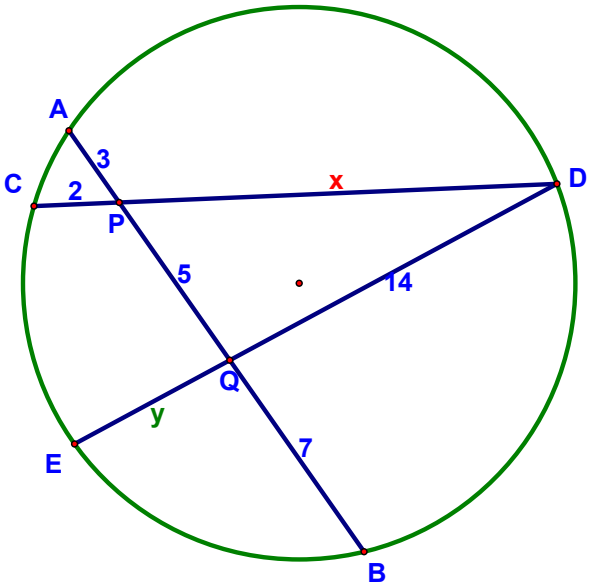
5.

Find the radius of ⊙P



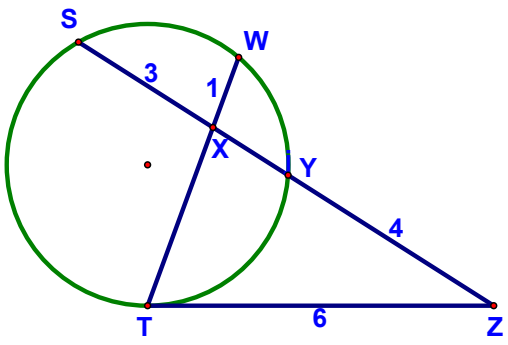
6.

Find PD and EQ



7.

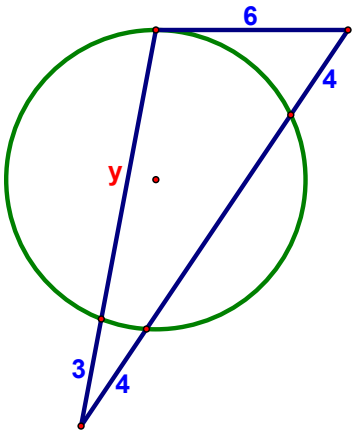
Find XT



8.

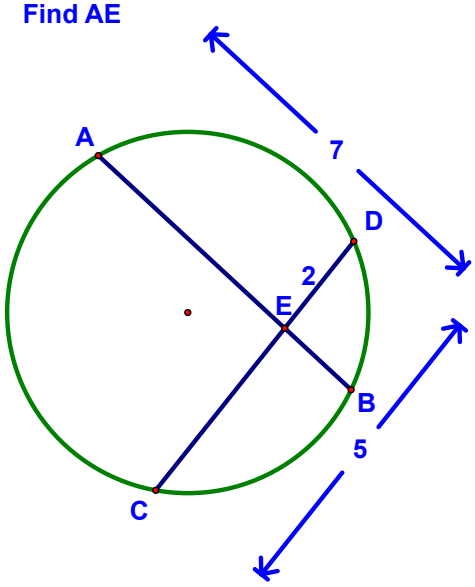
Find y

Is the Δ acute, right, or obtuse?



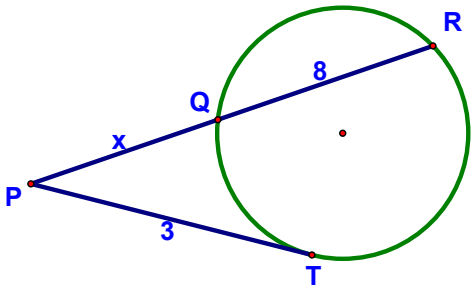
9.

Find AE



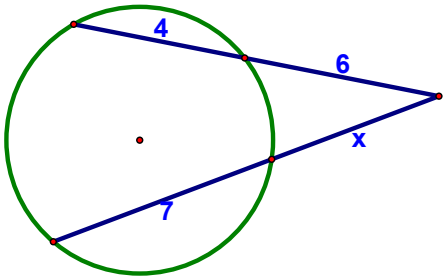
10.

Find PQ



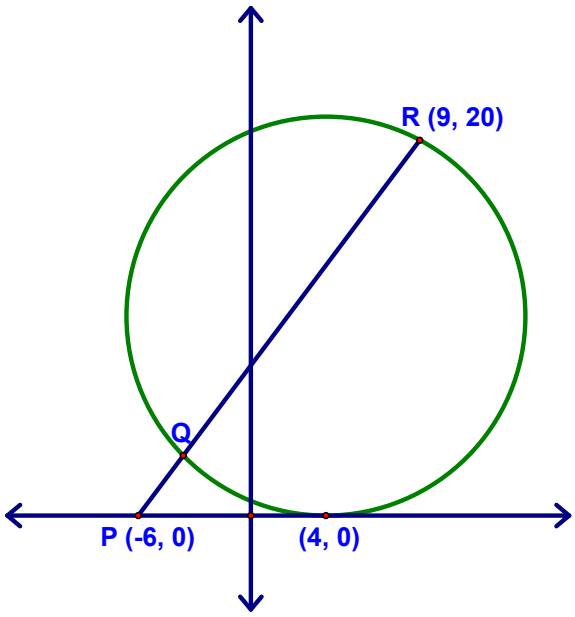
11.

Solve for x



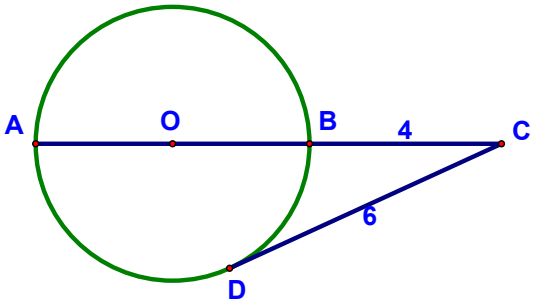
12.

Find PQ



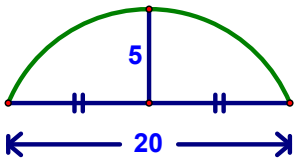
13.

$\overline{AB}$ is a diameter of ⊙O. $\overline{CD}$ is tangent at point D. Find the radius of ⊙O.



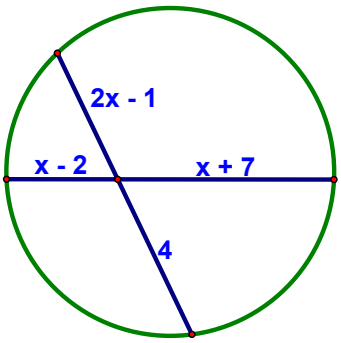
14.

An arch supports a pipeline across a river 20 m wide. Midway, the suspending cable is 5 m long. Find the radius of the arch.



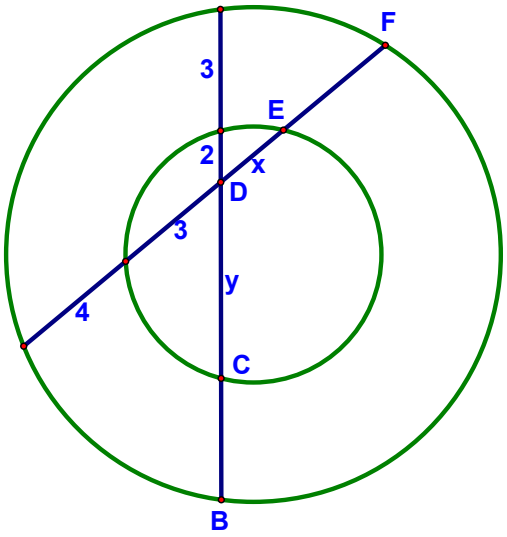
16.

Solve for x



17.

Given that the ⊙s are concentric, find x & y



18.

The radius of each circle is 3. △WXY is equilateral.

a. Find WY

b. Find the ratio of the perimeters of △ABC, △PQR, and △WXY